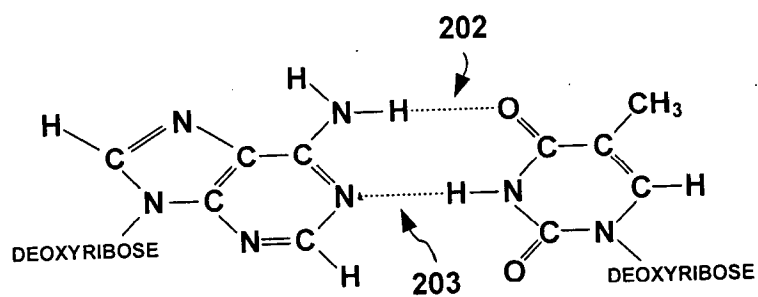
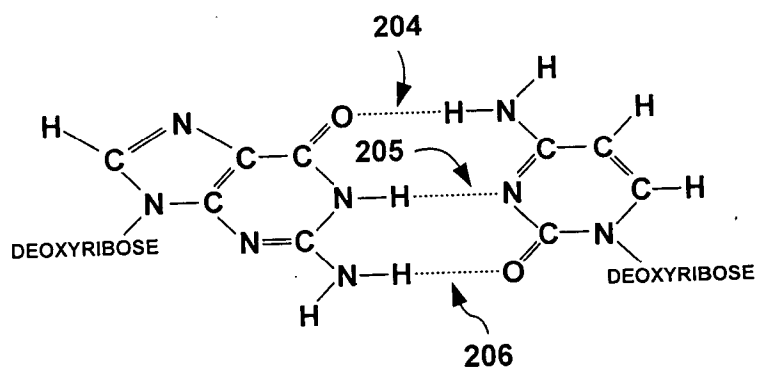
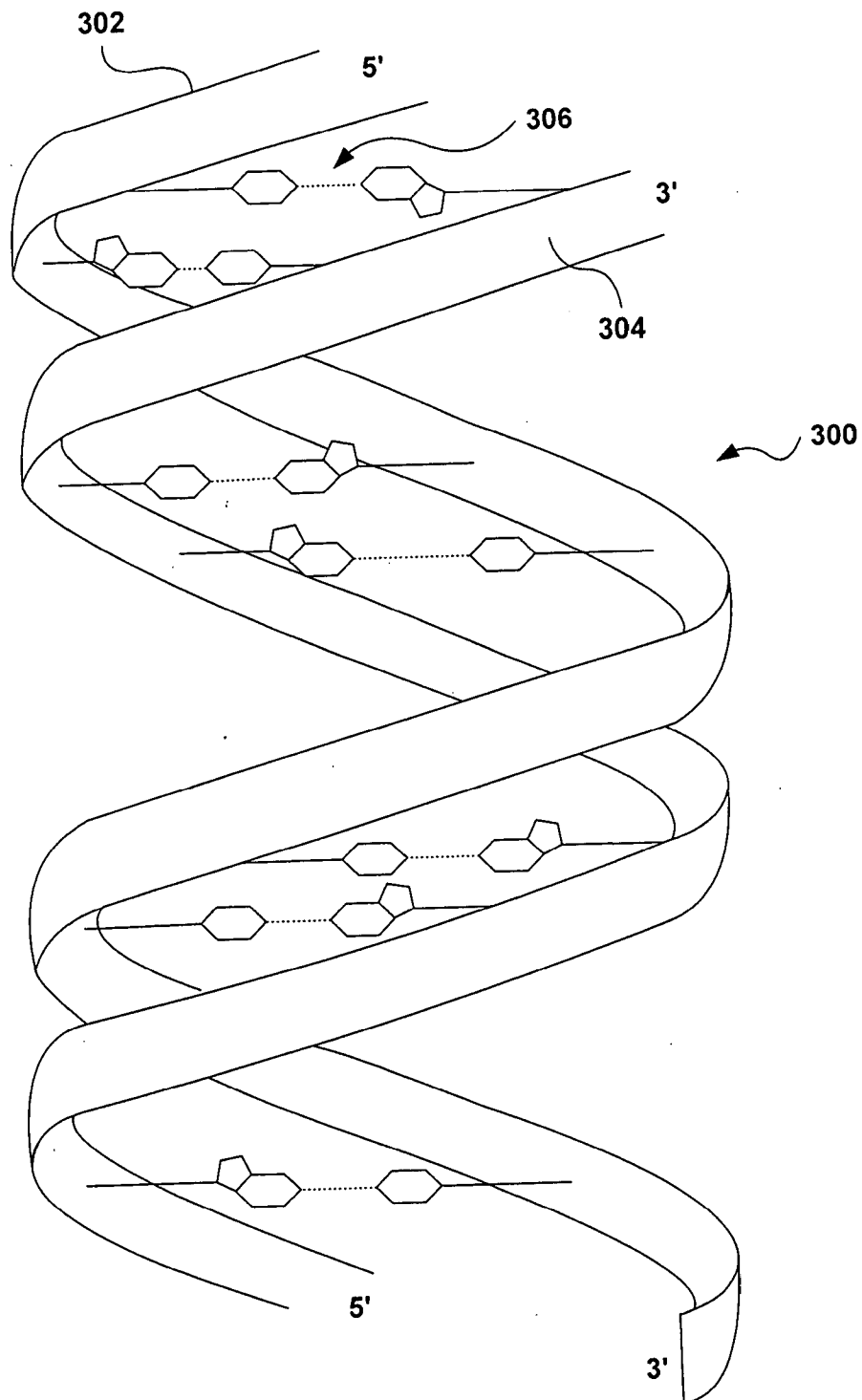
**Figure 1**



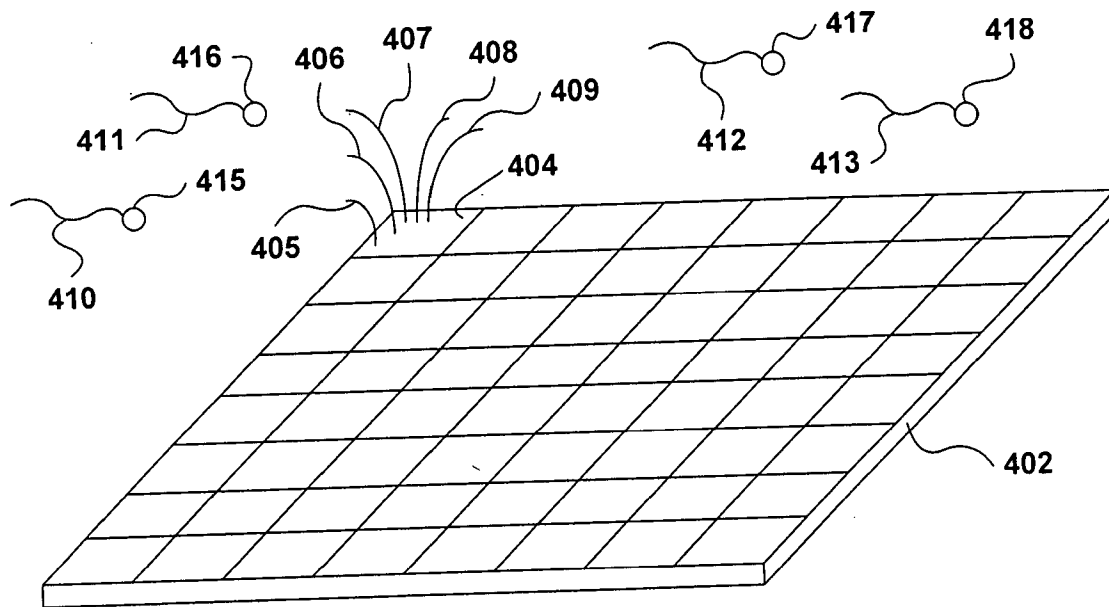
**Figure 2A**



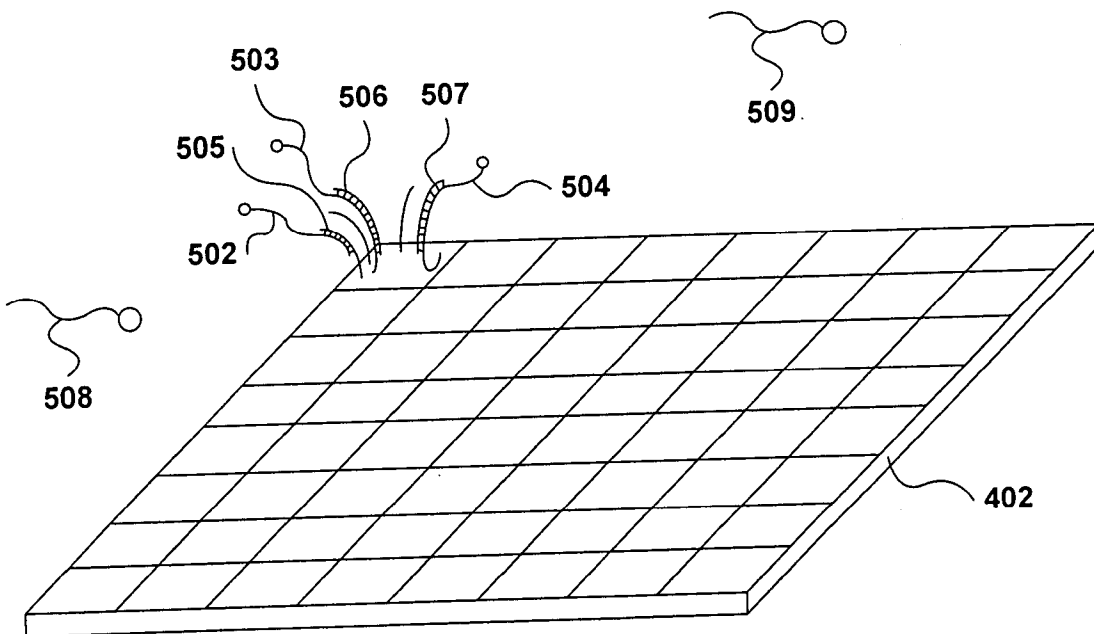
**Figure 2B**



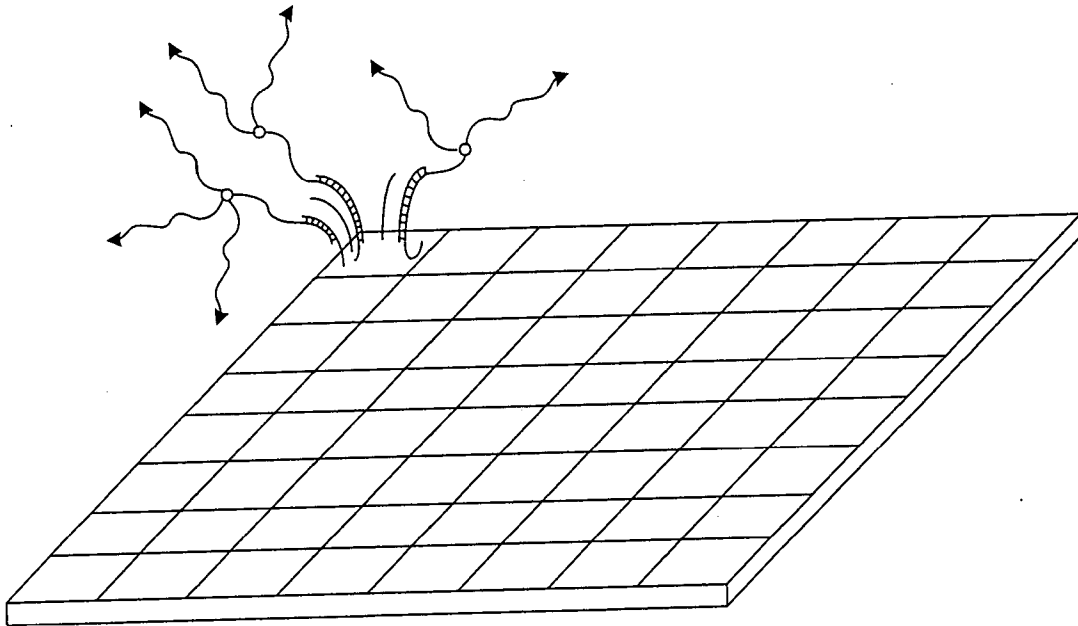
**Figure 3**



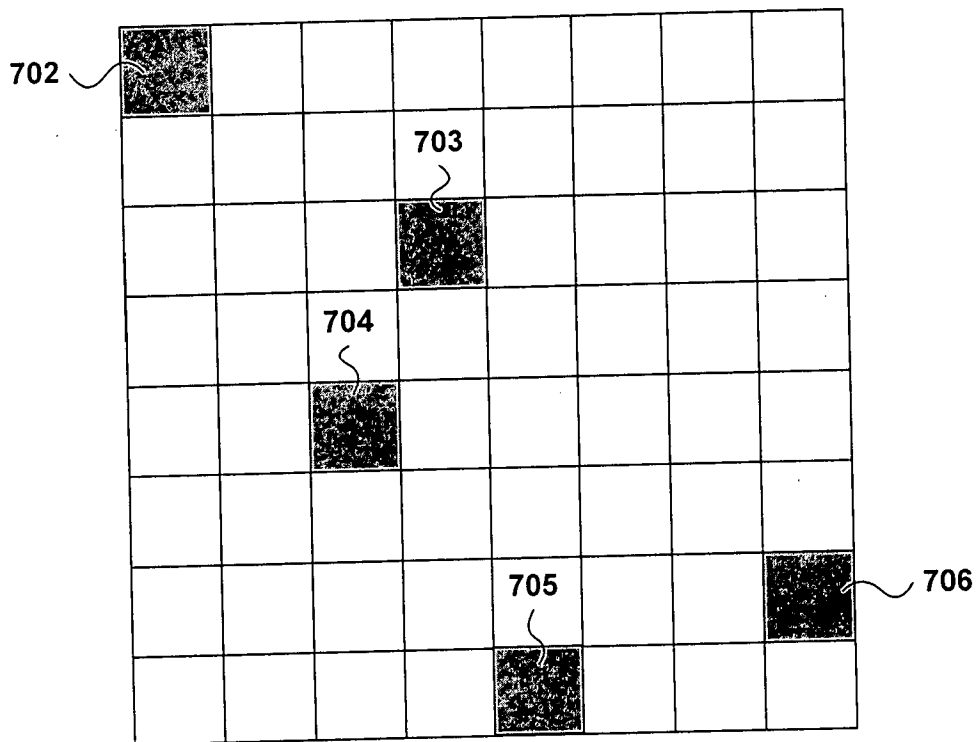
**Figure 4**



**Figure 5**



**Figure 6**



**Figure 7**

# Replacement Sheet

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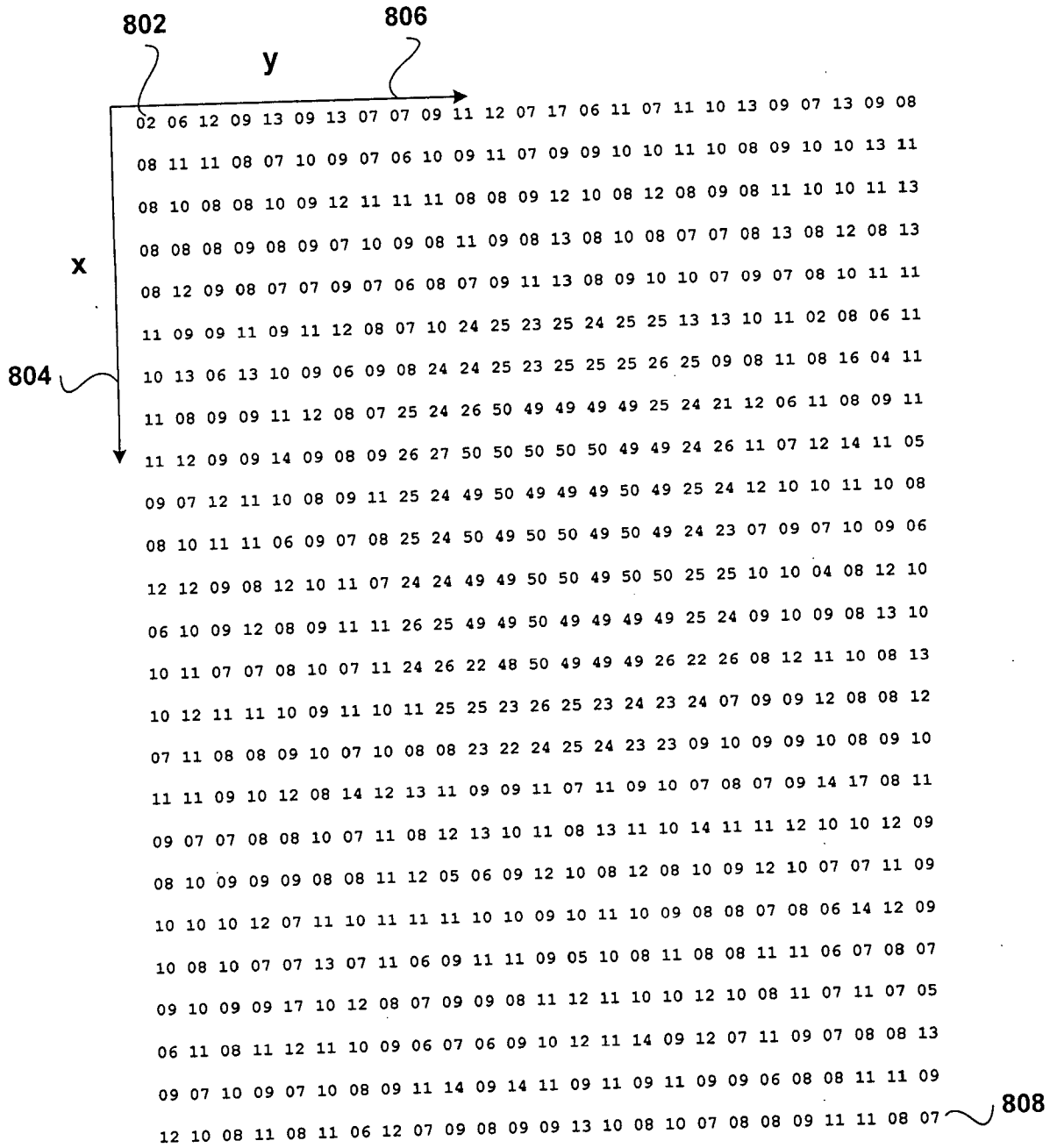


Figure 8A

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# Replacement Sheet

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05 09 09 06 10 10 13 13 13 10 10 11 08 09 09 06 12 10 05 11 09 10 12 08 09  
10 08 07 09 09 09 10 08 09 09 09 12 08 06 09 08 11 13 09 09 12 12 09 15 11  
10 11 10 08 09 09 12 08 06 10 11 13 07 11 07 10 11 11 08 11 11 09 09 13 08  
06 11 12 12 09 07 10 08 02 07 11 11 10 09 08 06 09 10 11 09 11 09 10 07 12  
10 13 10 08 09 08 11 12 09 10 09 10 06 12 10 06 12 10 08 08 09 06 07 09 14  
09 10 10 11 06 10 07 07 10 07 10 10 09 09 10 12 08 12 08 07 06 08 12 08 14  
11 10 08 10 09 08 09 08 09 09 10 10 09 09 10 11 09 09 09 12 11 08 10 06 09  
10 10 07 08 08 10 10 10 10 09 10 20 19 20 19 19 09 09 09 11 08 12 12 10 10  
09 07 07 09 09 10 08 12 12 09 19 20 20 19 20 19 20 08 08 07 12 10 10 10 10  
09 09 09 12 09 11 08 09 10 08 19 19 20 19 19 20 20 10 10 17 09 11 09 11 08  
11 09 07 08 09 08 10 08 08 10 20 20 21 20 19 20 20 10 09 08 09 08 08 06 11  
09 12 10 11 09 10 11 04 10 09 19 21 19 19 19 18 20 11 10 08 10 06 05 12 10  
06 08 09 08 11 07 11 10 10 09 19 19 19 19 20 20 20 11 08 11 08 10 12 08 11  
08 09 11 08 07 10 09 10 11 11 10 19 20 19 20 20 09 08 11 09 09 13 10 07 13  
08 08 09 10 11 07 08 09 10 07 10 09 10 08 09 10 11 11 10 13 10 08 10 08 09  
10 12 11 07 09 06 09 06 11 09 10 11 06 11 10 09 11 08 09 10 04 17 07 11 08  
08 13 08 11 11 08 11 14 09 06 08 15 11 08 13 10 12 11 10 10 09 13 08 09 12  
07 10 10 13 10 12 13 10 09 14 12 09 08 13 09 09 07 12 12 09 09 13 10 12 07  
12 10 11 06 11 13 08 11 10 09 09 11 11 11 10 10 09 08 09 11 08 06 11 06 12  
10 09 11 11 12 08 08 08 08 15 10 10 06 10 13 07 11 11 08 09 07 06 07 08 10  
12 11 06 09 07 11 09 09 08 07 09 09 09 07 10 11 11 12 08 09 07 10 07 13 06  
13 05 10 08 08 08 10 11 06 08 05 12 04 13 09 02 10 09 12 10 09 12 10 09 06  
09 08 12 12 11 08 11 12 06 06 09 10 07 08 07 08 07 09 09 12 07 09 07 09 10  
09 10 09 11 09 10 11 11 12 09 06 08 08 11 09 09 08 12 06 13 07 09 11 10 09  
08 13 09 08 06 09 06 10 09 09 10 11 08 11 07 07 09 09 15 15 10 12 12 07 09

**Figure 8C**



# Replacement Sheet

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05 09 09 06 10 10 13 13 13 10 10 11 08 09 09 06 12 10 05 11 09 10 12 08 09  
10 08 07 09 09 09 10 08 09 09 09 12 08 06 09 08 11 13 09 09 12 12 09 15 11  
10 11 10 08 09 09 12 08 06 10 11 13 07 11 07 10 11 11 08 11 11 09 09 13 08  
06 11 12 12 09 07 10 08 02 07 11 11 10 09 08 06 09 10 11 09 11 09 10 07 12  
10 13 10 08 09 08 11 12 09 10 09 10 06 12 10 06 12 10 08 08 09 06 07 09 14  
09 10 10 11 06 10 07 07 10 07 10 10 09 09 10 12 08 12 08 07 06 08 12 08 14  
11 10 08 10 09 08 09 08 09 09 10 10 09 09 10 11 09 09 09 12 11 08 10 06 09  
10 10 07 08 08 10 10 10 10 09 10 20 19 20 19 19 09 09 09 11 08 12 12 10 10  
09 07 07 09 09 10 08 12 12 09 19 20 20 19 20 19 20 08 08 07 12 10 10 10 10  
09 09 09 12 09 11 08 09 10 08 19 19 20 19 19 20 20 10 10 17 09 11 09 11 08  
11 09 07 08 09 08 10 08 08 10 20 20 21 20 19 20 20 10 09 08 09 08 08 06 11  
09 12 10 11 09 10 11 04 10 09 19 21 19 19 19 18 20 11 10 08 10 06 05 12 10  
06 08 09 08 11 07 11 10 10 09 19 19 19 19 20 20 20 11 08 11 08 10 12 08 11  
08 09 11 08 07 10 09 10 11 11 10 19 20 19 20 20 09 08 11 09 09 13 10 07 13  
08 08 09 10 11 07 08 09 10 07 10 09 10 08 09 10 11 11 10 13 10 08 10 08 09  
10 12 11 07 09 06 09 06 11 09 10 11 06 11 10 09 11 08 09 10 04 17 07 11 08  
08 13 08 11 11 08 11 14 09 06 08 15 11 08 13 10 12 11 10 10 09 13 08 09 12  
07 10 10 13 10 12 13 10 09 14 12 09 08 13 09 09 07 12 12 09 09 13 10 12 07  
12 10 11 06 11 13 08 11 10 09 09 11 11 11 10 10 09 08 09 11 08 06 11 06 12  
10 09 11 11 12 08 08 08 08 15 10 10 06 10 13 07 11 11 08 09 07 06 07 08 10  
12 11 06 09 07 11 09 09 08 07 09 09 09 07 10 11 11 12 08 09 07 10 07 13 06  
13 05 10 08 08 08 10 11 06 08 05 12 04 13 09 02 10 09 12 10 09 12 10 09 06  
09 08 12 12 11 08 11 12 06 06 09 10 07 08 07 08 07 09 09 12 07 09 07 09 10  
09 10 09 11 09 10 11 11 12 09 06 08 08 11 09 09 08 12 06 13 07 09 11 10 09  
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**Figure 8D**

# Replacement Sheet

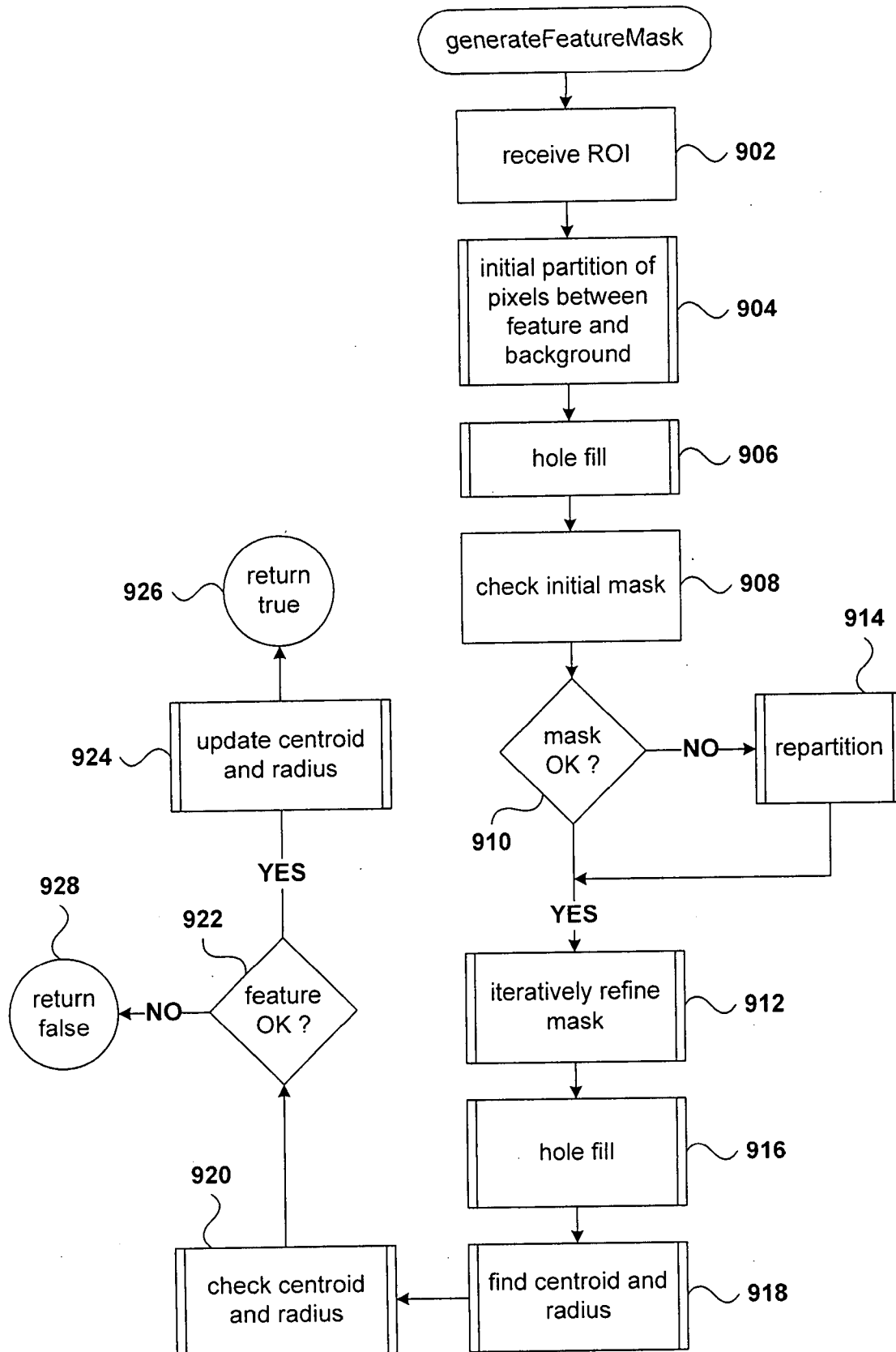
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12 09 10 10 08 09 12 11 09 07 09 08 09 10 17 12 05 11 06 09 10 09 11 08 11  
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09 07 08 10 14 09 07 07 09 12 06 17 08 10 09 07 06 10 09 08 08 08 10 07 10  
10 11 10 09 07 06 07 14 09 10 06 10 10 14 09 07 08 08 06 12 09 17 08 07 07  
11 11 12 09 02 10 11 14 11 08 09 10 07 09 10 08 10 09 13 10 08 09 11 11 09  
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14 09 11 12 10 13 10 11 07 06 05 14 14 15 15 14 07 08 07 06 09 10 09 10 09  
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08 12 07 08 11 10 10 11 07 08 05 08 07 06 08 08 07 11 12 09 11 13 07 09 02  
09 10 11 12 09 10 06 12 11 09 10 14 12 09 08 07 07 11 10 10 10 08 10 10 10  
10 09 07 09 08 05 08 09 11 10 11 07 11 12 10 12 11 12 11 10 10 11 11 10 11  
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09 11 09 07 09 10 09 09 08 07 09 12 06 06 12 11 08 10 11 13 09 10 10 10 09  
13 11 11 12 07 07 08 06 11 09 12 10 10 09 08 10 09 12 08 12 09 06 08 08 13  
13 09 08 11 06 07 08 06 09 08 12 10 12 11 10 15 08 10 09 08 12 10 07 02 09  
09 11 11 11 12 12 11 05 09 10 08 09 09 10 07 11 09 13 08 10 08 09 10 08 07  
11 07 11 09 08 13 09 13 08 12 10 13 10 12 08 08 10 09 09 10 11 09 10 09 10  
12 10 09 08 07 10 09 11 12 09 08 08 09 06 09 11 07 05 07 08 12 09 08 11 14

**Figure 8E**

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**Figure 9**

Replacement Sheet

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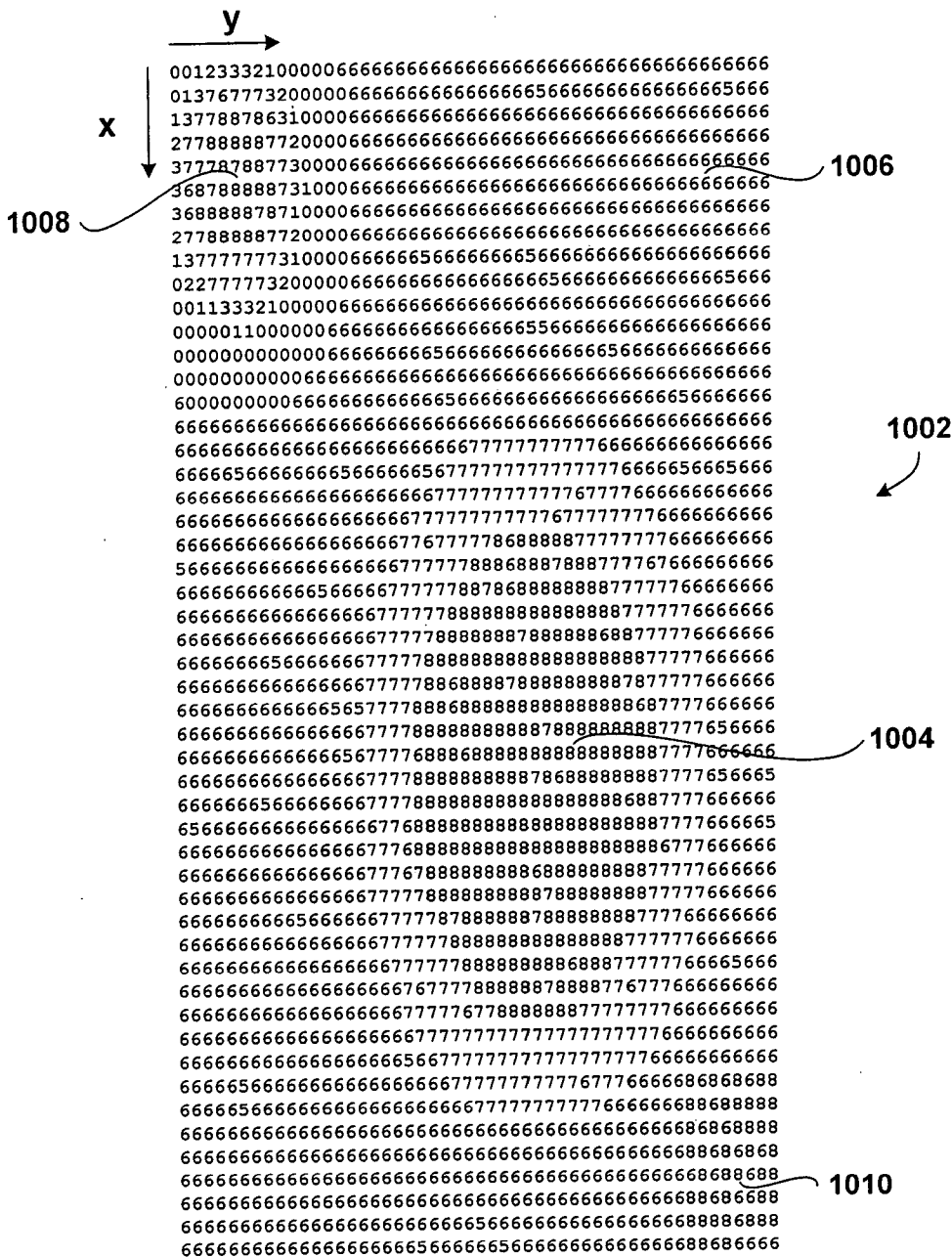


Figure 10

10030722-1

1008

1102

1004

1010

### Figure 11

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1206

**1202**

1204

### Figure 12

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[illegible]

### Figure 13

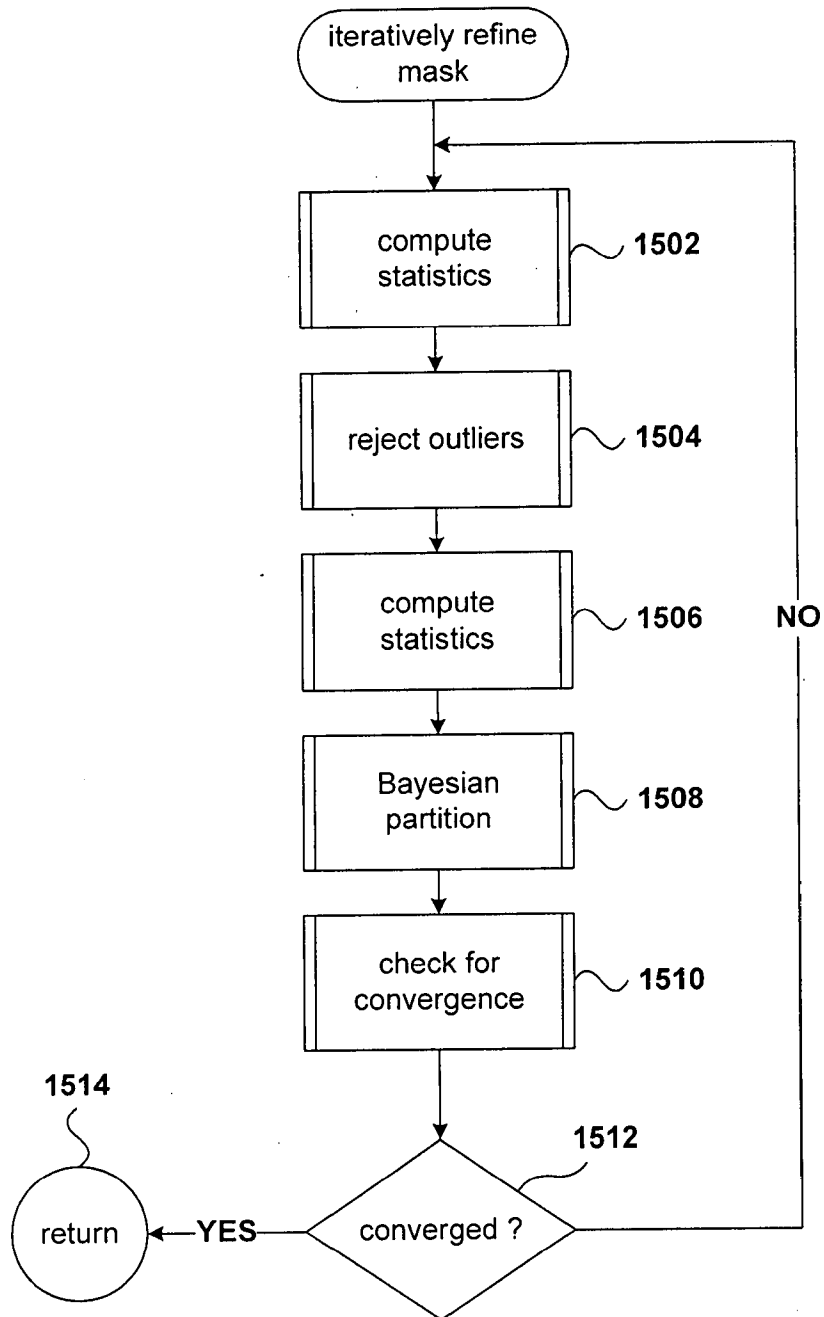
10030722-1

[illegible]

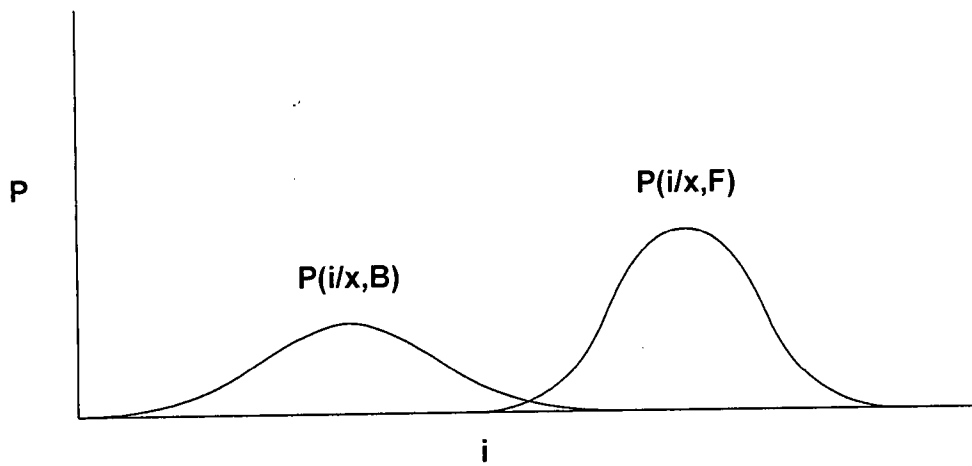
### Figure 14



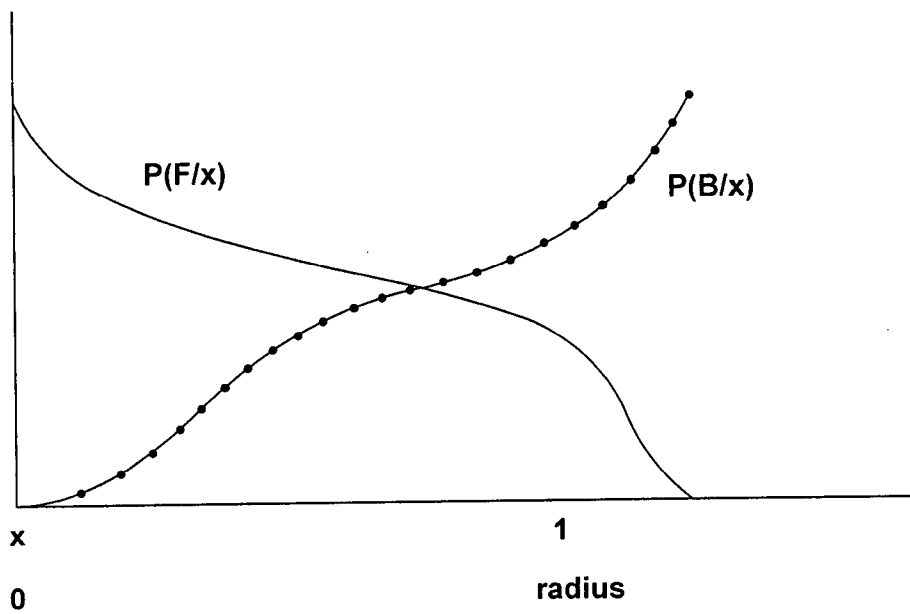
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**Figure 15**

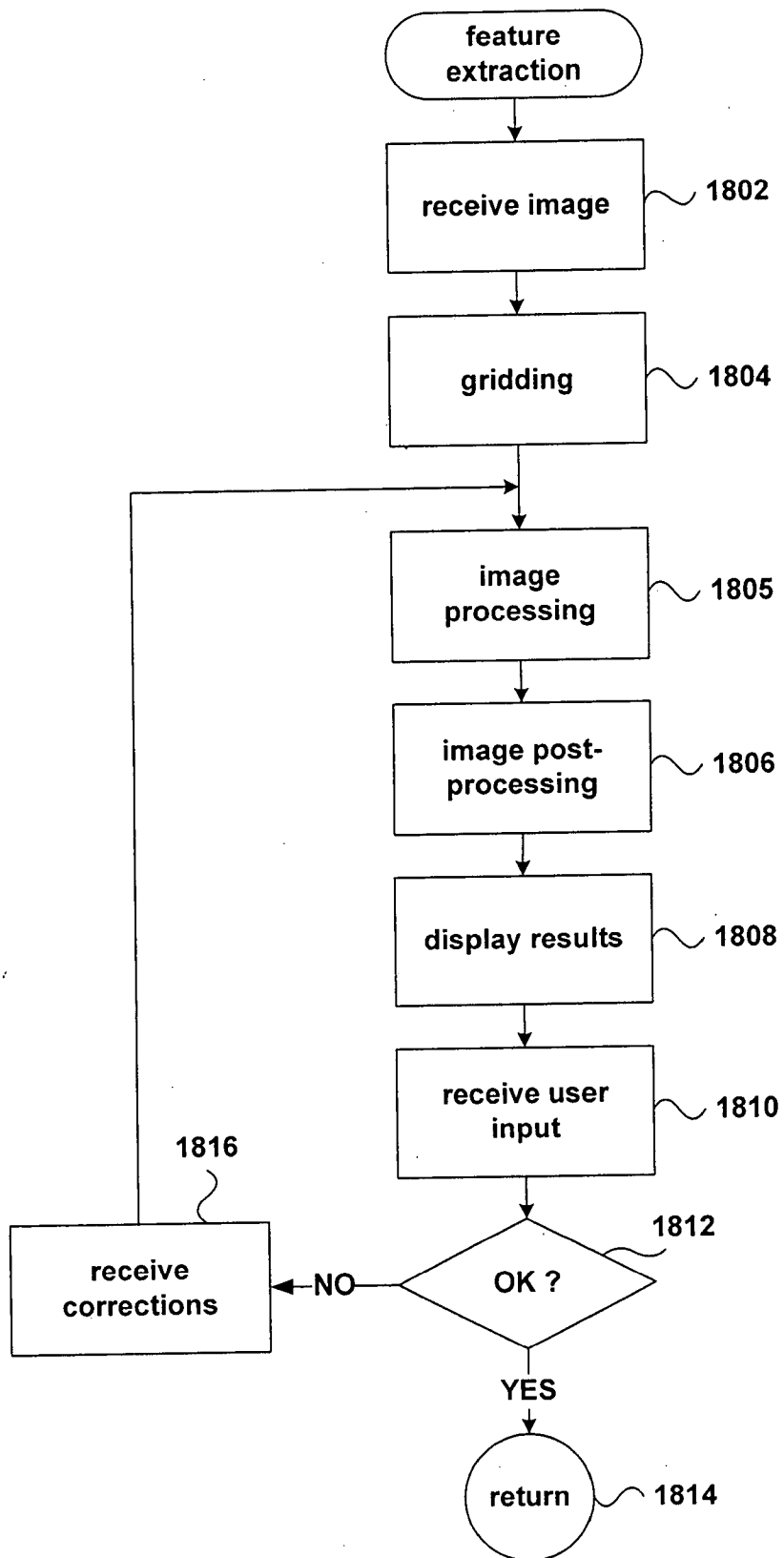
### Figure 16



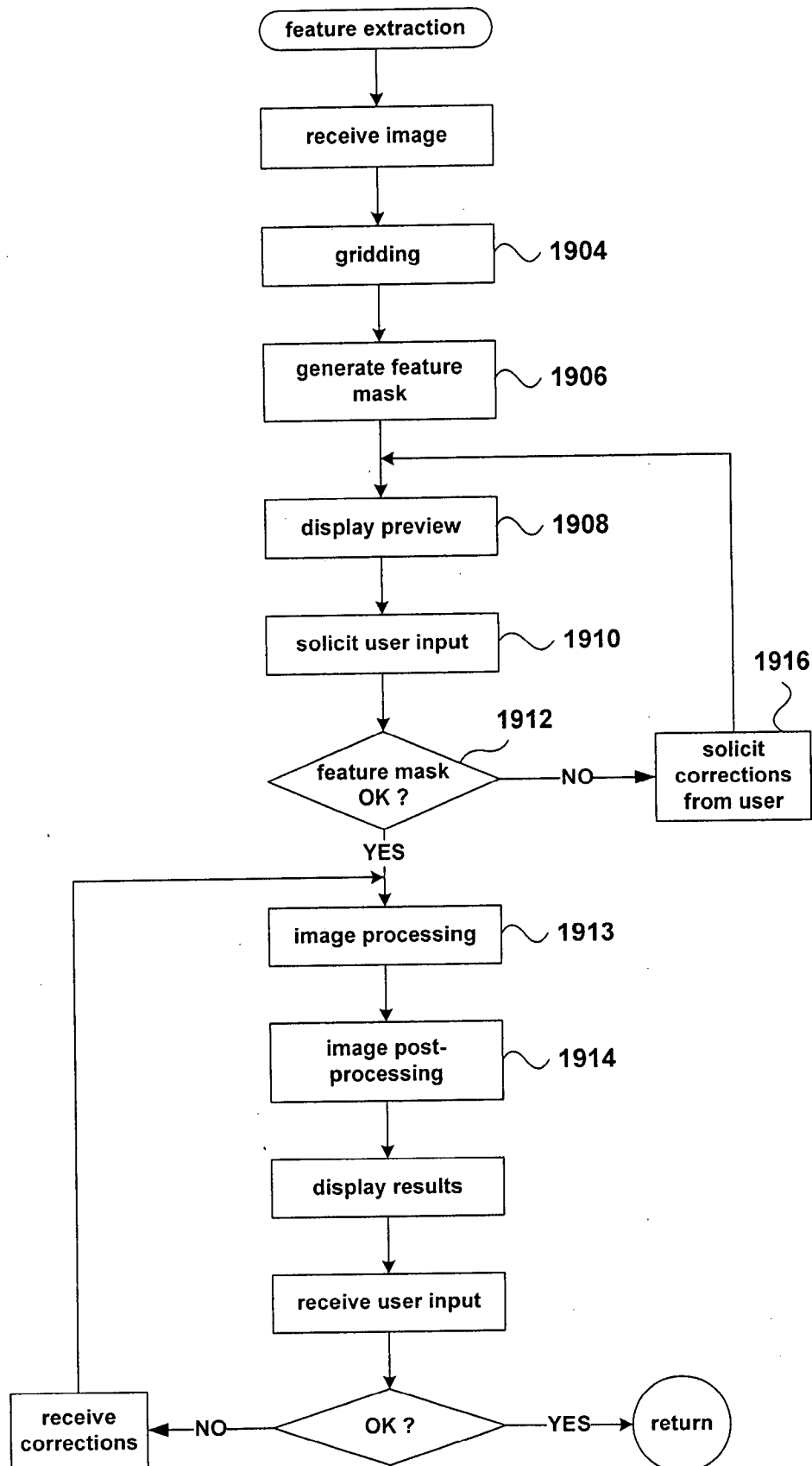
**Figure 17A**



**Figure 17B**

**Figure 18**

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**Figure 19**

# Replacement Sheet

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Image Analysis Tool D:\FeatureExtraction\ThirdParty\Arrays\_Gridding\_test\Raymond Tablinzar Arrays SelfSelfAgilentAgilent"1  
File View Edit Color Tools FeatureExtraction Window Help

D:\FeatureExtraction\ThirdParty\Arrays\_Gridding\_test\Raymond Tablinzar Arrays SelfSelfAgilent"1 Red/Green

Image Info Grid Definition Grid Adjustment

Main Grid

Array Label:

Corner of Array:  Left  Top  Rotation:

Subgrid

Col:  Row:

Corner of Subgrid:  Left  Top  Rotation:  Skew:

Spot Location

Col:  Row:

Center: X:  Y:

SpotDiam: X:  Y:

ProbeName:  probe 10296

GeneName:

☐ Ignore this feature

Apply Reset

col\_3300; row\_783; Red\_595 Green\_514

Ready

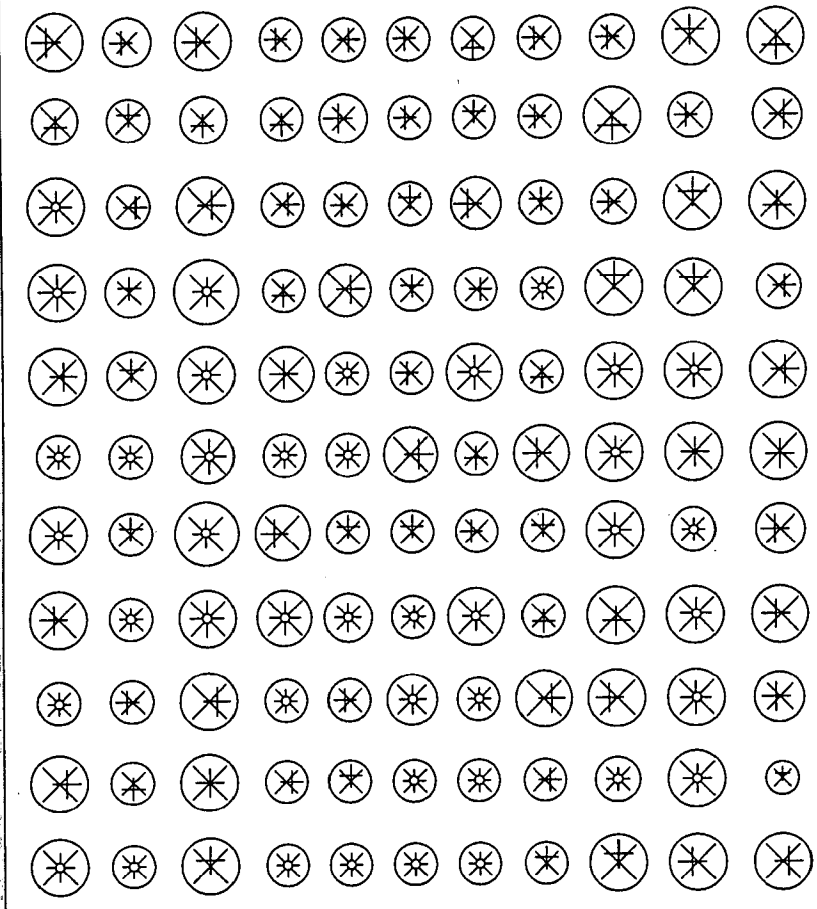


Figure 20